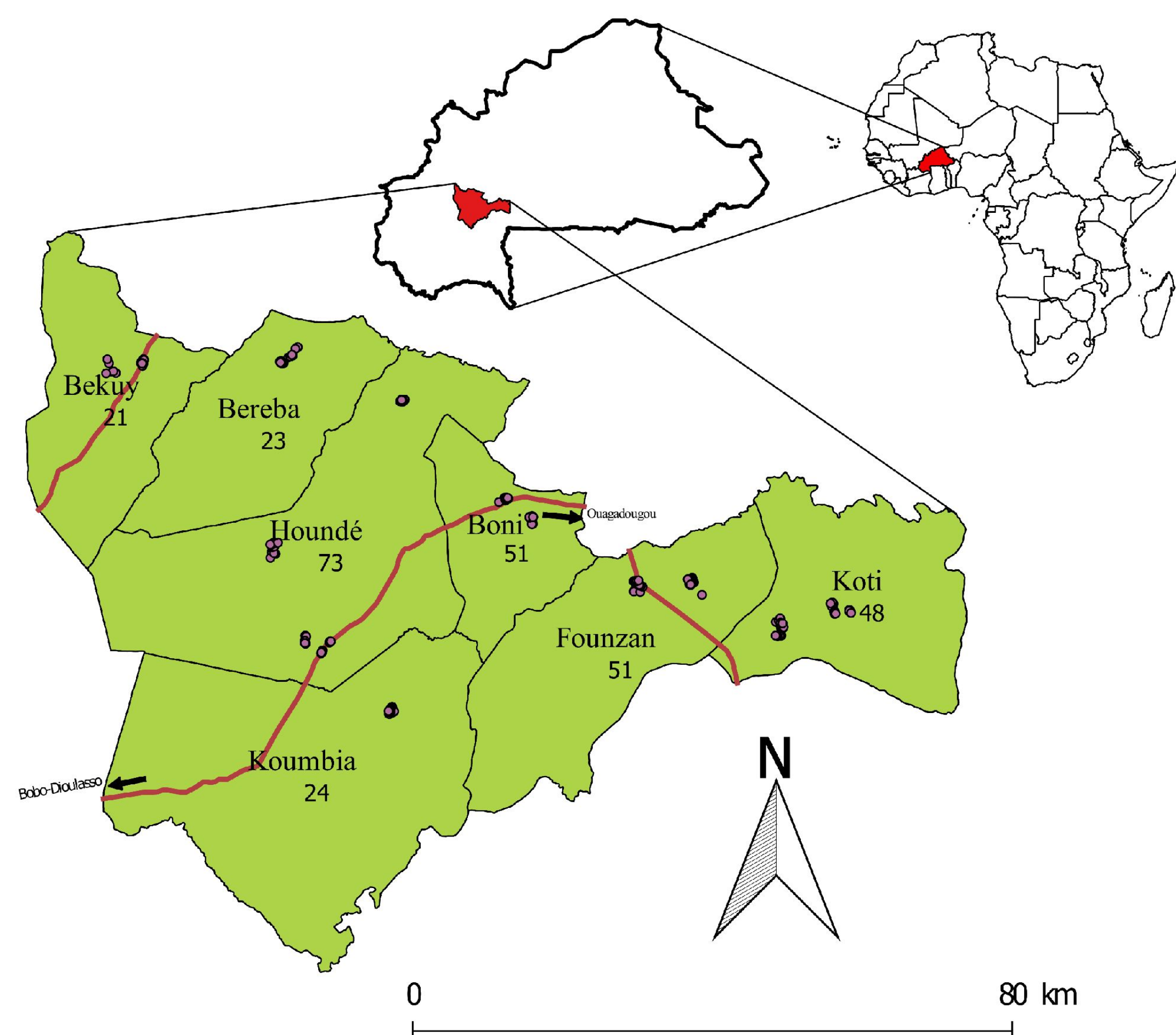


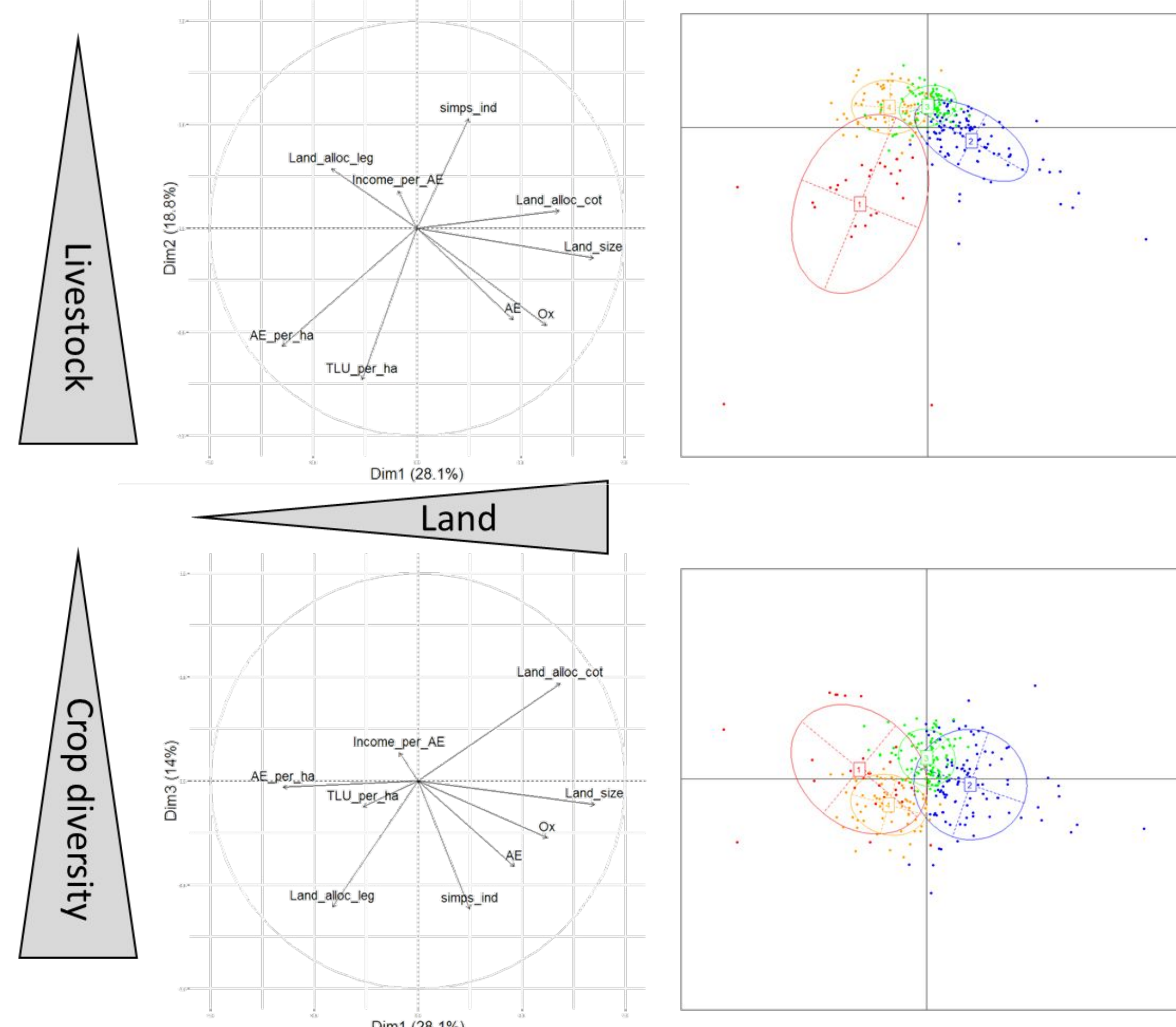
Objectives and Context



- ✓ **Sustainable intensification (SI)** of farming systems in Sub-Saharan Africa is complex due to **high diversity** of biophysical and socioeconomic contexts
- ✓ **Typologies** based on statistical tools are classically used to reduce this complexity and to reveal main drivers of diversity
- ✓ SI technologies are frequently **targeted** based on **household** characteristics, assuming clear link between household constraints and agricultural practices
- ✓ This study assess this **link between household typology & agricultural practices typology** (chosen to indicate gradient of sustainability) for 291 farmers in Tuy province

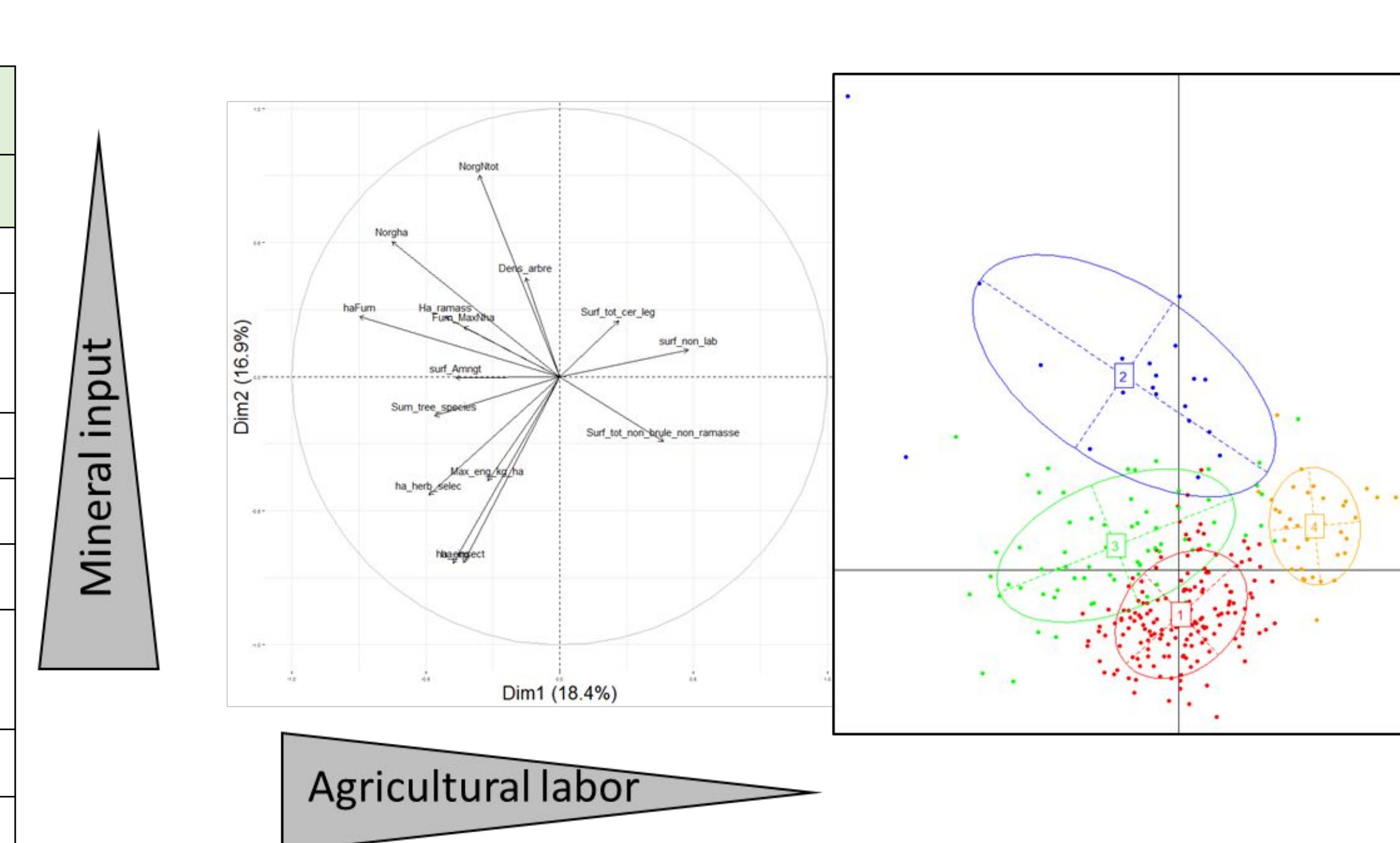
Typologies to tackle both diversity of household & agricultural practices

Typology of household



- ✓ 4 groups mainly discriminated by livestock and land, but also crop diversity

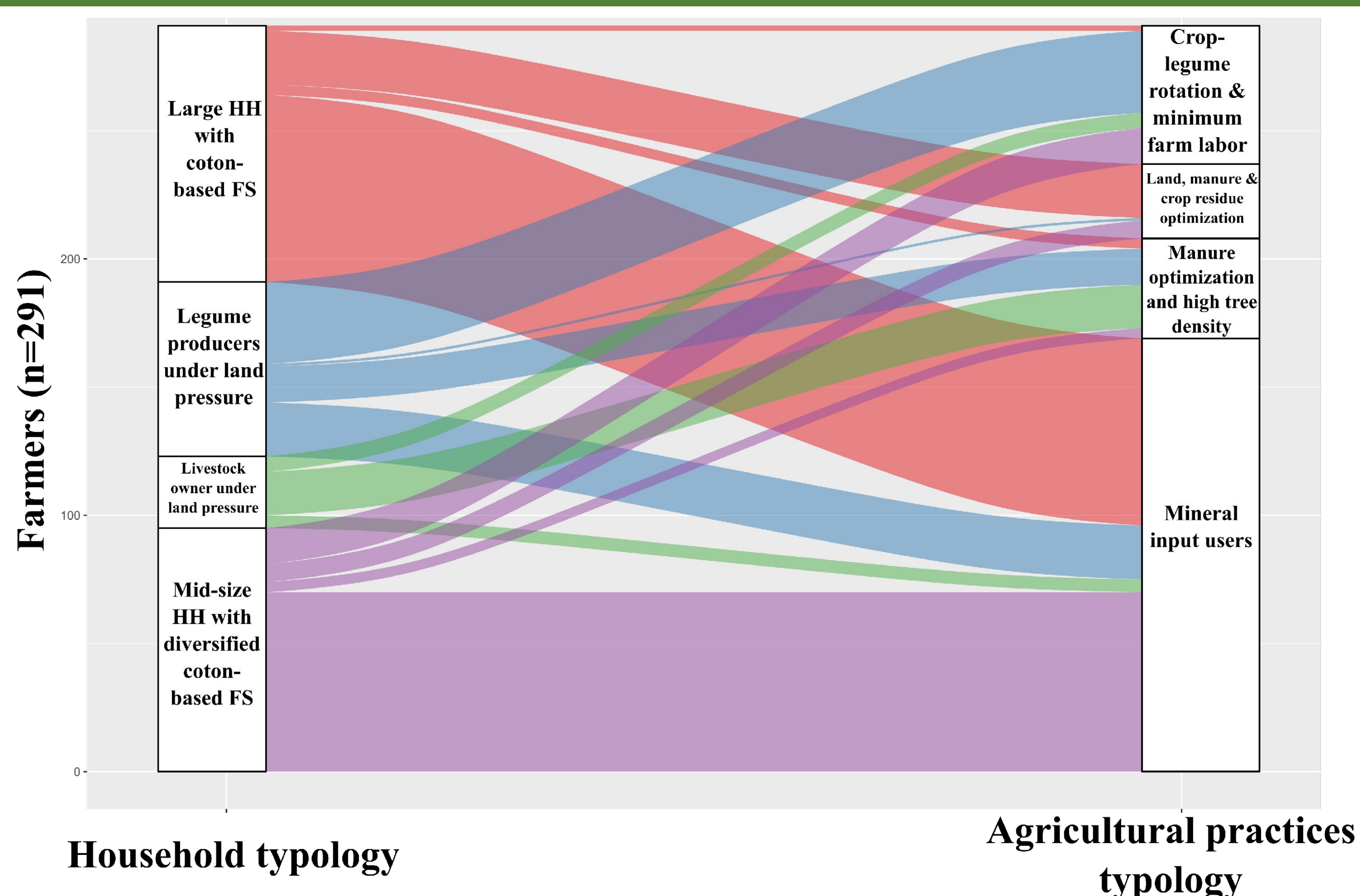
Typology of agricultural practices



- ✓ 4 groups mainly discriminated by labor availability and mineral input use
- ✓ Strong majority of mineral inputs user in the region (related to cotton production)

Data	
HOUSEHOLD	PRACTICES
Land allocated to cotton	Land under no till
Land allocated to legume	Crop residue use
Land size	Crop rotation
Income per Adult. Eq.	Tree density
Adult. Eq. per Ha	Number of tree species
Livestock per Ha	Organic nitrogen management
Simpson Index	Soil management
Adult. Eq.	Mineral inputs use

Relations between household types and agricultural practices



Take-home messages on targeting sustainable intensification technologies based on typologies

- Household typologies are proper tools to infer agricultural practices but challenges remained to improve this link (e.g. interdisciplinary and diachronic dataset).
- Agroecological transition in Sub-Saharan Africa is a case-by-case approach but generic approaches need to be explored to scale it out